

SECTION 8

8.25 CHLORINATION:

All main extensions and private pipe extensions shall be chlorinated in accordance with AWWA C651, and the local health authority having jurisdiction, prior to acceptance by Denver Water. The chlorinating agent, and method of application, shall be approved by Denver Water.

The chlorination of the finished pipeline shall be done prior to the hydrostatic testing. Before filling the pipe with water, the pipe shall be clean and free of debris to the satisfaction of Denver Water. Denver Water will not provide labor or material for disinfection to Applicant's installing mains under private contract.

Chlorine tablets may be used for disinfection in 12 inch and smaller pipe. Sixteen inch and larger pipe requires a chlorine slurry fed into the water used in filling the pipe. If chlorine tablets are used for disinfection, the tablets shall be attached to the inside top of the pipe with an approved adhesive certified to NSF Standard 61 prior to the pipe installation in the trench. An approved adhesive is Permatex RTV Clear.

NUMBER OF HYPOCHLORITE TABLETS OF 5 GRAM STRENGTH REQUIRED FOR A DOSE OF 50 MILLIGRAMS/LITER*

<u>Pipe Length (Feet)</u>	<u>Pipe Diameter (Inches)</u>		
	<u>6</u>	<u>8</u>	<u>12</u>
13 or less	2	2	5
18	2	3	6
20	2	3	7

*Based on 3-3/4 gram available chlorine per tablet.

After the pipe is filled with water and chlorine, the chlorinated water shall be held in contact with the pipe for 24 hours. At the end of the 24 hour period, the water in the pipeline shall be tested by the local health authority or their designated representative to insure a residual chlorine content of not less than 25 milligrams per liter. Then the pipeline shall be thoroughly flushed to remove the heavily chlorinated water. Care shall be taken in flushing the pipeline to prevent property damage and danger to the public.

Samples of water will be collected for bacteriological examination and residual chlorine content testing before the pipe is put into service. Testing of residual chlorine, and sampling will be done by the local health authority or their designated representative.